

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2016-142 Date Opened: 20 Oct 16 Title: AssemblyAircraft OEM: Bell Aircraft Model: 206L/407 Product Type: Cargo Basket Product Model: Standard Quantity: 1**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification (Original)
Time Sheet (R&D)
Notes

Initial or N/A

| |
|-----|
| JR |
| N/A |
| JR |
| JR |
| JR |
| JR |
| N/A |
| N/A |

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

| |
|-----|
| 1 |
| N/A |
| N/A |
| N/A |

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

| |
|----|
| JC |
| JC |

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

| |
|-----|
| JC |
| JC |
| N/A |
| N/A |
| N/A |

Drawing List

| Drawing # | Rev # | Description | Initial or N/A |
|-----------|-------|-----------------------|----------------|
| 69810 | 3 | Basket | JR |
| 70405 | 4 | Walkway | JR |
| 84255 | 2 | Handle Installation | JR |
| 84261 | 2 | Handle Assembly | JR |
| 84240 | 0 | Lid Prop Installation | JR |
| | | | |
| | | | |

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

| |
|-----|
| N/A |
| N/A |
| N/A |

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

| |
|-----|
| JR |
| N/A |
| N/A |

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

| |
|----|
| JR |
| JR |
| JR |
| JR |
| JR |
| JR |
| JR |

Work performed by:

Print: J. Rekve

ICC / Dual Inspection performed by:

Print: J. Clarke

Work Order closed by:

Print: J. Clarke

Approved Manufacturing Facility 73-04

Sign:

Sign:

Sign:

Form 20.D.03

SCA: AD01

SCA: AD02

SCA: AD02

Date: 31-Oct-16

Date: 31-Oct-16

Date: 03-Apr-17

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: MS20001P4-9600

Aircraft: Multiple Model: Multiple

Description: Hinge

Supplier: Bisco

Color: N/A

WO#: N/A

PO# 16030



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: N/A

Aircraft: Multiple

Model: Multiple

Description: 5 7/8" x 10' Aluminum Checkerplate .065"

Supplier: Daigle Marine

Color: N/A

WO#: N/A

PO# 16017



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Handle Bar Assy. No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 84261 (Med) Serial No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-148 146 X

Remaining Tasks to be Performed: Instal

Signature: [Signature]

Date: Oct 31 / 2016 Lic. No. / SCA 73-04 05

Serviceable



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

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AMF 73-04

Serviceable

Remarks



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AMF 73-04

Remarks

Serviceable



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: LD No. of pieces: 1

Manufacturer: AERO DESIGN

Part No.: 69812-01 Serial No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-55

Remaining Tasks to be Performed: NONE

Signature: [Signature]

Date: 13 OCT 2016 Lic. No. / SCA _____

Serviceable



Description: Basket Assembly Kit

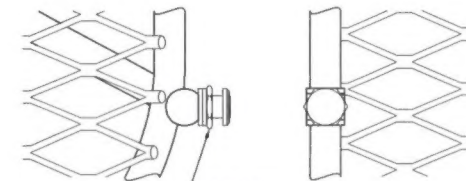
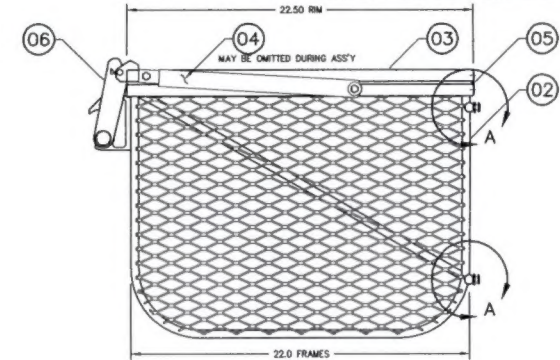
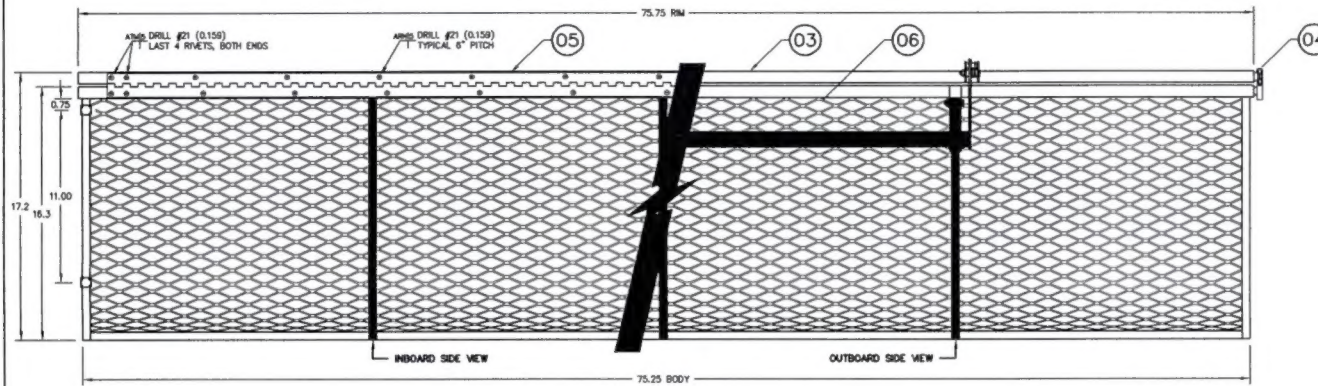
WO# 2016-142

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

| REV | DESCRIPTION OF CHANGE | INITIALS | DATE |
|-----|---|----------|------------|
| 1 | CHANGED LUGS | BJC | 09/11/2006 |
| 2 | PLACARD CHANGED, AFT END MODIFIED FOR CROSS TUBE CLEARANCE | BJC | 29/06/2007 |
| 3 | HINGE RIVETS CHANGED, HANDLE DETAILS CHANGED, PLACARD CHANGED | BJC | 14/10/2011 |

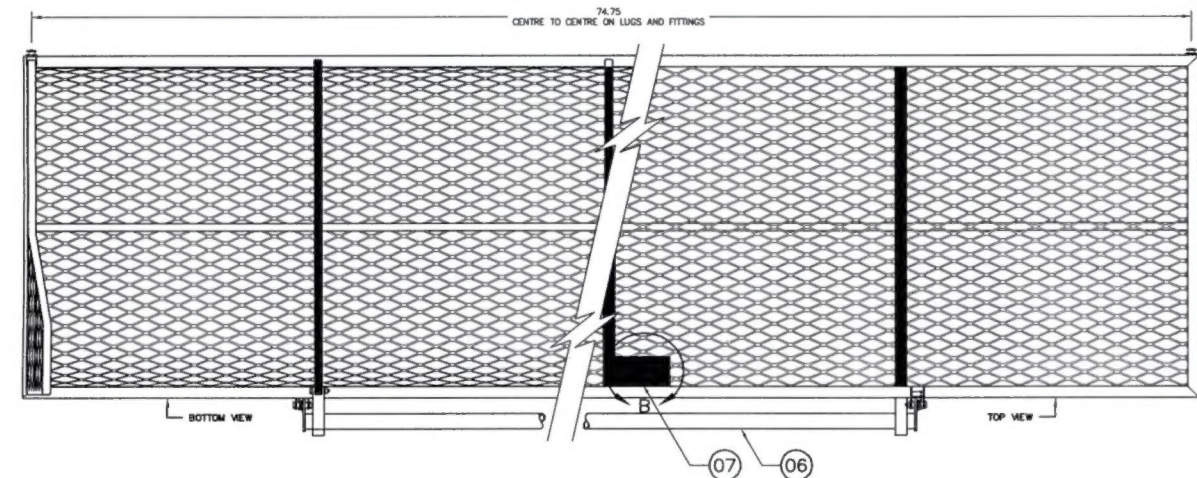


DETAIL A

SCALE 1 : 1
LOOKING AT LOWER ATTACHMENT, UPPER ATTACHMENT SIMILAR
TYPICAL FRONT AND REAR

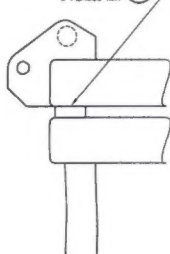
NOTE:

1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

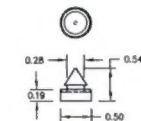


(01) CARGO BASKET ASSEMBLY

DRILL 0.25 INTO LID
ENSURE CLEARANCE FROM MESH
3 PLACES MIN



BUMPER INSTALLATION
SCALE 1 : 1



(08) BUMPER
SCALE 1 : 1



DETAIL B
SCALE 1 : 1
LOOKING AT PLACARD BRACKET

| | | | | | | |
|-----|-------------------|----------------------------|------------------|----------|---------------|------------|
| A/R | ANR60-618 | WASHER | | | | |
| 4 | 40088-14 | FITTING | ANCR | | | |
| 4 | CR3213-4-02 | CHERRY RIVET | | | | |
| 8 | CR3523-5-02 | CHERRY RIVET | | | | |
| A/R | CR3213-5-02 | CHERRY RIVET | | | | |
| 3 | 49205-14 | 08 BUMPER | ARGUS INDUSTRIES | | | |
| 1 | 69827-01 | 07 PLACARD | | | | |
| 1 | 84255-01 | 06 HANDLE BAR INSTALLATION | | | | |
| 1 | MS20001P4 | 05 PLANO HINGE | | | 6 FEET LONG | |
| 1 | 36280-01 | 04 BRACE ASSEMBLY | | | | |
| 1 | 69812-01 | 03 LID ASSEMBLY | | | | |
| 1 | 69811-01 | 02 BASKET BODY ASSEMBLY | | | | |
| 1 | 69810-01 | 01 CARGO BASKET ASSEMBLY | | | | |
| Q1 | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | LIST OF MATERIALS | | | | | |

| BASIC CODE | DASH NO. FOR DIAMETER | APPROVALS | DATE |
|---|--|--------------------|-------------|
| REF. HAS 503 | N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE | DRAWN: JEFF CLARKE | 11 APR 2006 |
| C=COUNTERSUNK D=DIMPLE | DASH NO. FOR LENGTH | CHECKED: E. BURDON | |
| DIGIT=# OF SHEETS TO BE DIMPLED | | | |
| BASIC CODES: BJ=MS20470AD BB=MS20426AD AR=CR3213 ATM=CR3523 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | | |
| | INSTALL NEW RIVET REMOVE/REPLACE RIVET EXISTING RIVET | | |
| | | | |

| AERO DESIGN LTD. | | | |
|---|-----------|----------|------|
| CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - SOUTH AVENUE N.E., CALGARY, ALBERTA, CANADA T2E 6R7 tel: (403) 250-8087 fax: (403) 250-8083 aerodesign@atnplacat.ca | | | |
| BELL 206L, 407 QUICK RELEASE CARGO BASKET CARGO BASKET ASSEMBLY | | | |
| SCALE 1 : 4 | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 1 | A1 | 69810 | 3 |

NOTICE

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|------------------------------|----------|--------------|
| 1 | CHANGED TO ENGRAVED ALUMINUM | BJC | 19 JUNE 2007 |
| 2 | INCREASED LOAD | BJC | 26 OCT 2011 |

NOTES

- ENGRAVE 0.007 DEEP AS FOLLOWS:
 "QUICK RELEASE BASKET" - 0.125 HIGH
 "BELL 206L SERIES & 407" - 0.080 HIGH
 "S/N 69801-XX" - 0.080 HIGH
 "MAXIMUM PERMISSIBLE LOAD" - 0.125 HIGH
 "300 LBS. TOTAL" - 0.200 HIGH
 "AERO DESIGN LTD." - 0.125 HIGH
 "CALGARY, ALBERTA, CANADA" - 0.080 HIGH
 "403-250-8027" - 0.080 HIGH

DRILL #30 (0.129)
4 PLACES

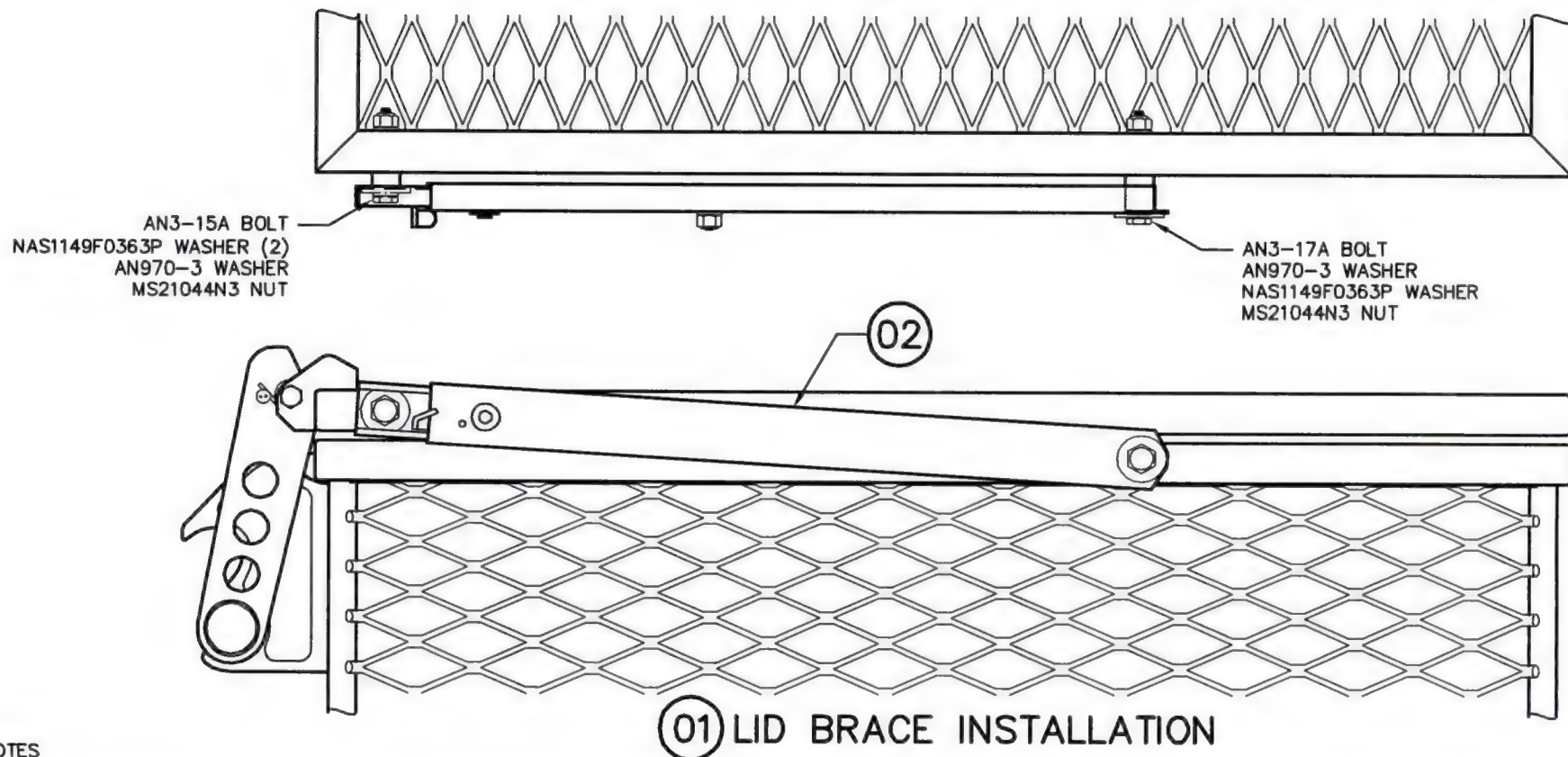


01 PLACARD

| | | | | | | |
|-----|--|------|--------------|---|---------------|-------------|
| 1 | 69827-01 | 01 | PLACARD | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.063 SHEET |
| 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | LIST OF MATERIALS | | | | | |
| | APPROVALS | | DATE | AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net | | |
| | DRAWN: JEFF CLARKE | | 24 APR 2006 | | | |
| | CHECKED: E. BURGOIN | | | | | |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | BELL 206L SERIES AND 407 QUICK RELEASE CARGO BASKET PLACARD | | |
| | | | | | | |
| | | | SCALE 1 : 1 | DWG. SIZE | DWG. NO. | REV. |
| | | | SHEET 1 OF 1 | A4 | 69827 | 2 |


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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-----------------------|----------|------|
| 0 | INITIAL ISSUE | * | * |



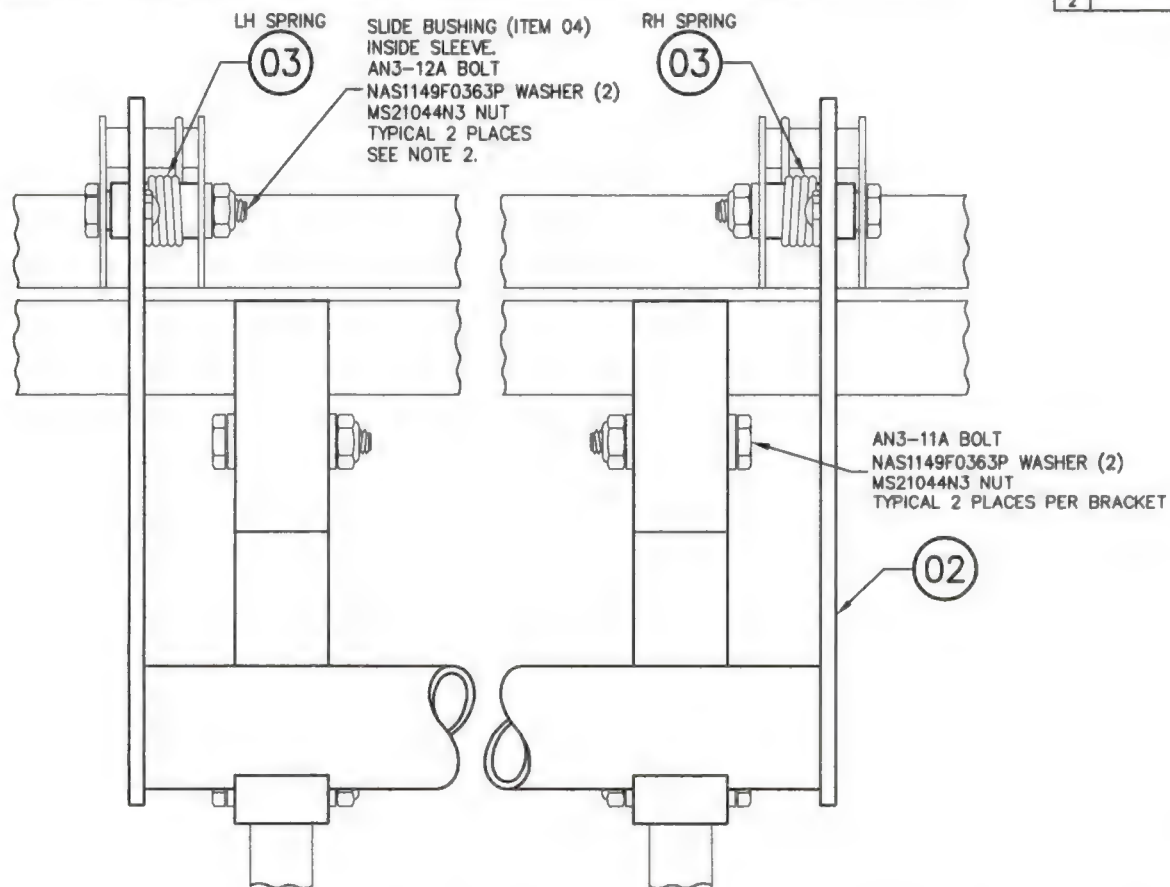
NOTES

- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

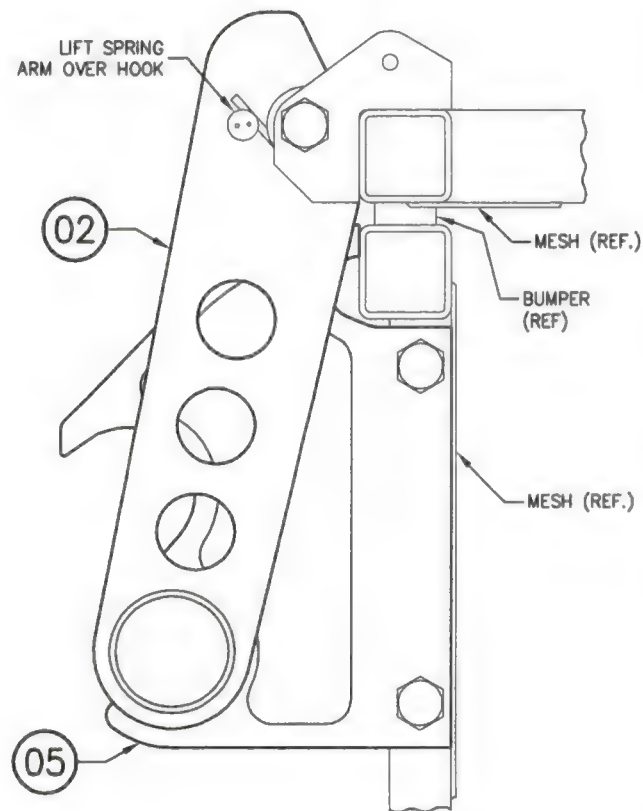
| | | | | | | | | | | |
|------|-------------------|------|------------------------|--|-------------|--|--|-----------|----------|------|
| 2 | MS21044N3 | | NUT | APPROVALS | DATE |  | <div>AERO DESIGN LTD.</div> <div>9888A MALASPINA ROAD</div> <div>POWELL RIVER, BC, CANADA, V8A 0G3</div> <div>TEL: 604.493.2376 www.aerodesign.ca</div> | | | |
| 3 | NAS1149F0363P | | WASHER | DRAWN: JEFF CLARKE | 21 MAY 2014 | | | | | |
| 2 | AN970-3 | | WASHER | CHECKED: JASON REKVE | 21 MAY 2014 | | | | | |
| 1 | AN3-17A | | BOLT | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 | | <div>HELICOPTER CARGO BASKET</div> <div>ALL MODELS</div> <div>LID BRACE INSTALLATION</div> | | | | |
| 1 | AN3-15A | | BOLT | | | | | | | |
| 1 | 36280-01 | 02 | LID BRACE ASSEMBLY | | | | | | | |
| | 84240-01 | 01 | LID BRACE INSTALLATION | | | | | | | |
| 01 | PART NO. | ITEM | DESCRIPTION | | | NOT TO SCALE | | DWG. SIZE | DWG. NO. | REV. |
| QTY. | LIST OF MATERIALS | | | | | SHEET 1 OF 1 | | A4 | 84240 | 0 |

NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.



(01) HANDLE INSTALLATION



| | | | | |
|------|-------------------|------|---------------------|----------------|
| A/R | MOBILGREASE 28 | | GREASE | MIL-PRF-81322F |
| 4 | AN3-11A | | BOLT | |
| 2 | AN3-12A | | BOLT | |
| 10 | NAS1149F0363P | | WASHER | |
| 6 | MS21044N3 | | NUT | |
| 2 | 84267-01 | 05 | BRACKET | |
| 2 | 36275-01 | 04 | BUSHING | |
| 2 | 36278-01 | 03 | SPRING (1 LH, 1 RH) | |
| 1 | 84261-01 | 02 | HANDLE BAR ASSEMBLY | |
| | 84255-01 | 01 | HANDLE INSTALLATION | |
| 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL |
| QTY. | LIST OF MATERIALS | | | |

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|---|----------|------------|
| 0 | INITIAL ISSUE - CREATED FROM 36255 | BJC | NOV 03/09 |
| 1 | HANDLE END BRACKETS FLIPPED | BJC | SEPT 19/11 |
| 2 | TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED | BJC | MAR 13/14 |

| APPROVALS | DATE |
|---|-------------|
| DRAWN: JEFF CLARKE | 03 NOV 2009 |
| CHECKED: E. BURGAIN | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: | |
| DECIMALS | ANGLES |
| X.XXX ±0.010 | ±1/2° |
| X.XX ±0.03 | |
| X.X ±0.1 | |



AERO DESIGN LTD.

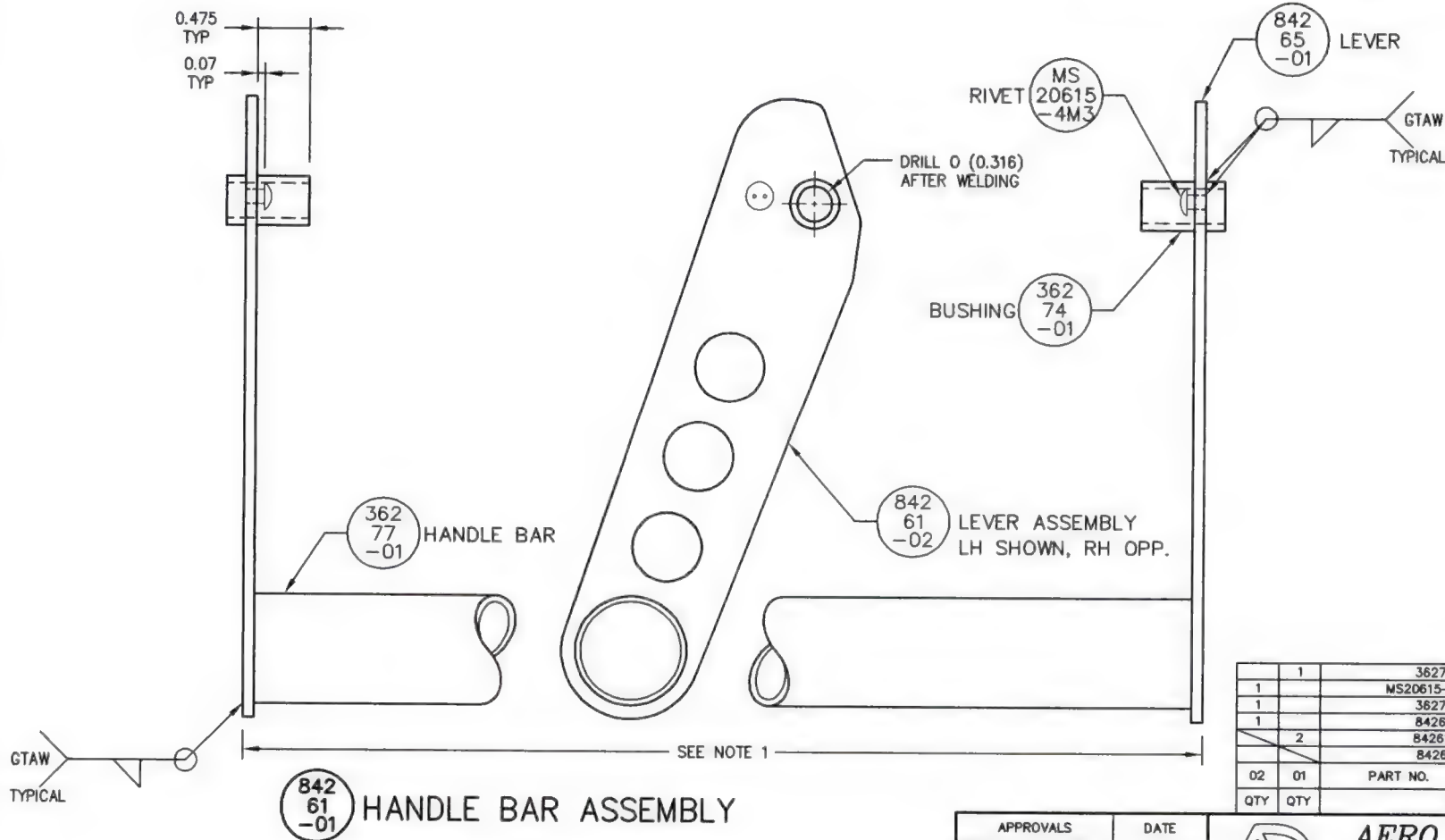
9688A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.683.5576 www.aerodesign.ca

**HELICOPTER CARGO BASKET
HANDLE BAR INSTALLATION**

| SCALE 1 : 1 | DWG. SIZE | DWG. NO. | REV. |
|--------------|-----------|----------|------|
| SHEET 1 OF 1 | A3 | 84255 | 2 |

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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|--|----------|------------|
| 0 | INITIAL ISSUE | | |
| 1 | HANDLE END BRACKETS FLIPPED | BJC | SEPT 19/11 |
| 2 | TITLE BLOCK UPDATED; LEVER ASSEMBLY ASSIGNED P/N | BJC | MAR 13/14 |



NOTES:

1. LENGTH OF HANDLE TO BE DETERMINED BY BASKET ASSEMBLY DRAWING.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. WELDING TO BE COMPLETED BY GTAW METHOD TO AMS2685C USING ER308L ROD.

| QTY | QTY | PART NO. | DESCRIPTION |
|-----|-----|-------------------|------------------------|
| 1 | 1 | 36277-01 | HANDLE BAR |
| 1 | | MS20615-4M3 | RIVET (MONEL) |
| 1 | | 36274-01 | BUSHING |
| 1 | | 84265-01 | LEVER |
| 2 | | 84261-02 | LEVER ASSEMBLY (RH/LH) |
| 02 | 01 | 84261-01 | HANDLE BAR ASSY |
| QTY | QTY | LIST OF MATERIALS | |

| APPROVALS | DATE |
|--------------------|------------|
| DRAWN: R. RATHWELL | JUNE 18/09 |
| CHECKED: E. BURGON | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1



AERO DESIGN LTD.

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POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.483.8376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
HANDLE BAR ASSEMBLY**

| SCALE | DWG. SIZE | DWG. NO. | REV. |
|--------------|-----------|----------|------|
| SCALE 1 : 1 | A3 | 84261 | 2 |
| SHEET 1 OF 1 | | | |

Work Order: 2016-142Date Opened: 20 Oct 2016Material Tracking Sheet
Bell 206L / 407
Standard Basket Assembly

1 of 2

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|---------------|----------|----------------|---------------|------------------------------|-----------------------------------|----------------|
| | <u>1</u> | | 69810-01 | Cargo Basket Assembly | | |
| Step 1 | | | | <i>Lid Assembly</i> | | |
| | . 1 | | 69812-01 | Basket Lid Assembly | | <u>2016-55</u> |
| Step 1.a. | .. 3 | | 49205-14 | Bumper | Argus Industries Bumper | |
| | .. A/R | | -- | Sealant | Commercial Silicone RTV sealant | |
| Step 1.b. | .. 1 | | 69827-01 | Placard | 0.063 Sheet, 6061-T6 Aluminum | <u>2015-03</u> |
| | .. 4 | | CR3213-4-02 | Cherry Rivet | | <u>15086</u> |
| Step 1.c. | . 1 | | 70405-01 | Lid Step Modification | | |
| (option) | .. 1 | | 70405-04 | Tread Plate | 3003 Aluminum Tread Plate, 0.063" | <u>16017</u> |
| | .. A/R | | CR3213-4-02 | Cherry Rivet | | <u>15086</u> |
| | .. A/R | | -- | Sealant | Commercial Silicone RTV sealant | |
| Step 2 | | | | <i>Basket Assembly</i> | | |
| Step 2.a. | . 1 | | 69811-01 | Basket Body Assembly | | <u>2016-93</u> |
| | .. 4 | | 96710-01 | Fitting | Alternate: Ancra 40088-14 | |
| | .. 8 | | NAS1149F0663P | Washer | | |
| Step 3 | | | | <i>Hinge Installation</i> | | |
| | . 1 | | MS20001P4 | Piano Hinge | 72" | <u>16036</u> |
| | . 8 | | CR3523-5-02 | Cherry Rivet | | <u>16005</u> |
| | . A/R | | CR3213-5-02 | Cherry Rivet | | <u>16042</u> |
| Step 4 | . 1 | 84255 | 84255-01 | <i>Handle Installation</i> | | |
| Step 4.a. | .. 2 | | 84267-01 | Bracket | Delrin, 3/4" Sheet | <u>2016-37</u> |
| | .. 4 | | AN3-11A | Bolt | | |
| | .. 8 | | NAS1149F0363P | Washer | | |
| | .. 4 | | MS21044N3 | Nut | | |

Work Order: 2016-142Material Tracking Sheet
Bell 206L / 407
Standard Basket Assembly

2 of 2

Date Opened: 20 OCT 2016

| Ass'y Step | Qty | Detail Drawing | Part Number | Description | Material | PO/WO |
|------------|------|----------------|---------------|-------------------------------|-------------------------------------|---------------------|
| Step 4.b. | .. 1 | | 84261-01 | Handle Assembly | | <i>See attached</i> |
| | .. 2 | | 36278-01 | Spring (1 left, 1 right) | 304 Stainless, 1/16" Dia Music Wire | |
| | .. 2 | | 36275-01 | Bushing | Brass, 5/16" Dia | |
| | .. 2 | | AN3-12A | Bolt | | |
| | .. 4 | | NAS1149F0363P | Washer | | |
| | .. 2 | | MS21044N3 | Nut | | |
| Step 5 | | | | <i>Lid Brace Installation</i> | | |
| | . 1 | | 36280-01 | Brace Assembly | | <i>2016-145</i> |
| | . 1 | | AN3-15A | Bolt | | |
| | . 1 | | AN3-17A | Bolt | | |
| | . 2 | | AN970-3 | Washer | | |
| | . 3 | | NAS1149F0363P | Washer | | |
| | . 2 | | MS21044N3 | Nut | | |
| Step 6 | | | | <i>Inspection</i> | <i>None</i> | |



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Serviceable

Remarks



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BASSET ASSY (Bowl/407) No. of pieces: 1

Manufacturer: AERO DESIGN LTD

Part No.: 64801-01 Serial No.: 64801-87

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-142

Remaining Tasks to be Performed: NONE

Signature: [Signature]

Date: 03 APR 2017 Lic. No. / SCA ADD2

Serviceable

| | | | | | |
|---|---------------------------------------|---|---|---|--|
| 1. Approving Civil Aviation Authority/Country Transport Canada | | 2. AUTHORIZED RELEASE CERTIFICATE FORM ONE | | | 3. Form Tracking No. 2017-0203 |
| 4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3 | | | | | 5. Work Order/Contract/Invoice WO 2016-142 |
| 6. Item 1. | 7. Description Cargo Basket | 8. Part Number 69810-01 | 9. Qty. 1 | 10. Serial/Batch No. 69801-87 | 11. Status/Work New |
| 12. Remarks Modified with walkway on lid and front end cutout IAW DCL704 | | | | | |
| 13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12. | | | 14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations. | | |
| 13b. Signature <i>Jeff Clarke</i> AD 73-04 02 | | 13c. Approved Organization Number AMF 73-04 | | 14b. Signature 14c. Approved Organization Number | |
| 13d. Name Jeff Clarke - AD02 | | 13e. Date (dd/mmm/yyyy) 25 May 2017 | | 14d. Name 14e. Date (dd/mmm/yyyy) | |
| <p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p> | | | | | |

Hillcrest AIRCRAFT

CARGO BASKET ASSEMBLY - COMMON

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details:

Bell 206L/407 – Right side only

69810, Revision 3 – Standard Low Mounted Basket

94510, Revision 0 – Extra-Wide Low Mounted Basket

94610, Revision 0 – Extra-Wide Low Mounted Ski Basket

76610, Revision 0 – High Mounted Ski Basket

Eurocopter AS350/AS355 – left or right

77610, Revision 1 – Short Basket

76410, Revision 3 – Medium Basket (left or right)

78410, Revision 2 – Long Basket

94010, Revision 0 – Extra Large (ski) Basket

Robinson R44 – left or right

90610, Revision 0 – Standard Basket (left or right)

Bell 206B – right side only

80210, Revision 0 – Short Basket

80310, Revision 0 – Medium Basket

81110, Revision 0 – Long Basket

Bell 429 – right or left

95911, Revision 0 – Standard Basket

Bell Medium – left or right

75111, Revision 0 – Standard Basket

95511, Revision 0 – Extra Large (ski) Basket

MD600

82811, Revision 0 – Standard Basket

Options

70405, Revision 3? – Lid Walkway

CARGO BASKET ASSEMBLY - COMMON

Complete
(initial or SCA #)

Work Order: 2016-142

Date Open: 20 OCT 2016

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1. Lid Assembly

- a. Install lid bumpers on bottom.
 - i. Fill bumper holes with RTV silicone sealant.
 - ii. Insert 49205-14 lid bumper, 3 or 4 places per lid.
- b. Install placard on bracket on top of lid.
 - i. Locate placard on bracket.
 - ii. Drill #30 through placard and bracket, using holes in placard.
 - iii. Remove placard and de-burr holes in placard and on bracket.
 - iv. Locate placard on bracket, and cleco in place.
 - v. Rivet placard with four CR3213-4-02 CherryMax rivets.
- c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)
 - i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
 - ii. Pull tread plate from stock. Shear tread plate to length.
 - iii. De-burr edges of tread plate with scotch-brite disc on die-grinder.
 - iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
 - v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
 - vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using 1/4" piloted counter bore on both sides.
 - vii. De-burr holes in lid tubes.
 - viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
 - ix. Set tread plate in place, secure with clecos if necessary.
 - x. Rivet placard with CR3213-4-02 CherryMax rivets
- d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

2. Body Assembly

- a. Install attachment fittings
 - i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
 - ii. Run 3/8-24 tap into attachment lugs to clear threads.
 - iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
 - iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 906?? in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
 - v. Torque to ??

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- b. 946 Basket Only: Install Cutout Brace – *must be completed after hinge installation*
 - i. Locate 94621-01 Brace over aft cross tube cutout
 - ii. Install two AN4-6A bolts and two AN4-30A bolts with NAS1149F0463P washers.
 - iii. Torque AN4 bolts to ??
- c. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.

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3. Hinge Installation

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 784 – 90"
 - 5. 940, 946, 959 – 95"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

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Complete
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- d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

a. Install handle brackets.

- i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
- ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
- iii. Torque AN3 bolts to ??.

b. Install handle

- i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
- ii. Grease two 36275-01 bushings with ??. Insert into bushings of handle assembly.
- iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
- iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
- v. At first end, remove bolt and repeat step iv.
- vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
- vii. Torque AN3 bolts to ??.

c. Check handle

- i. Operate handle to ensure handle does not bind and springs hold handle in.
- ii. Snap handle into brackets to ensure handle locks.

- d. Record PO/WO of all parts used in steps above on attached material tracking list.

5. Install lid brace

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- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to ??
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

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6. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
 - i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.

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